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Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
SEPTEMBER 1981

Unemployment in Ohio rose from 488,000 in August to 511,000 in September, lifting the rate from 9.4 to 10.0 percent of the civilian labor force. Total employment slipped 2.3 percent to 4,593,000. Seasonal gains in education, however, boosted nonfarm payroll employment .9 percent, to 4,396,000.

Employment in Ohio's manufacturing industries totaled 1,259,000 in September, up 1.3 percent from August. Automotive and related industries accounted for much of the increase as auto manufacturers and suppliers of stamped-metal components recalled workers upon completion of retooling for the 1982 models. Producers of automotive castings and wiring also reported recalls. Increases in food processing were due largely to seasonal hiring by canners. Fewer orders, however, led to curtailments in basic steel.

Nonmanufacturing employment rose .8 percent, to 3,137,000 in September. Gains in government and services were concentrated among schools and colleges, as the new academic year began. Retailing also rose seasonally among department, apparel, and food stores. Growth was moderated, however, by a downturn in construction, and by noneducational cutbacks by state and local governments.

Average weekly earnings of Ohio's factory production workers advanced $3, to nearly $397 in September. Their average workweek, at 41.0 hours, was fractionally longer. Overtime increases were reported by newspaper publishers, and by producers of food--meat, dairy products, and beverages. Wage-rate increases boosted earnings in nonferrous rolling and drawing mills, commercial printing, and glassware. Higher earnings in paper production reflected more overtime as well as premium Labor-Day pay. Curtailed production, however, lowered earnings in the manufacture of fasteners. Producers of automotive stampings and plastic products reported less overtime.

Statewide unemployment increased by some 50,000 between September 1980 and September 1981, raising the jobless rate from 8.9 to 10.0 percent. Total employment dipped 2.7 percent over the year, although nonfarm payrolls advanced slightly. Gains in primary metals, notably basic steel production, spurred manufacturing, despite losses in transportation equipment and nonelectrical machinery. Nonmanufacturing was down fractionally from its year-ago level, as cutbacks in government, construction, and transportation were moderated by growth in services. Factory production workers averaged .3 hours more per week--and nearly $1 more per hour--in September 1981 than in September 1980. Their gross weekly earnings climbed $41 over the year.

For additional Labor Market Information, write
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EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonagricultural wage and salary employment in the Akron area totaled 260,700, up 5,100 from August. Nonmanufacturing accounted for two-thirds of the gain, as schools and colleges added personnel for the new academic year. Manufacturing rose 1,500, to 77,000 for September, due largely to recalls in fabricated metals and nonelectrical machinery. Average hourly earnings for factory production workers rose 7¢ from August, to $9.67 in September. The average workweek decreased 1.0 hour, to 40.7 for the month.

Canton.--Workers on nonfarm payrolls in the Canton area numbered 156,800 in September, down marginally from August. Although manufacturing increased fractionally, to 56,200, nonmanufacturing employment slipped over the month, as declines in local government and construction were moderated by growth in services. Production workers in factories grossed $9.81 per hour, up slightly from August. The average workweek, at 39.6 hours, was on par with August.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment increased 5,700 from August, to 607,300 in September. Seasonal gains in education, retailing, and services boosted nonmanufacturing for most of the gain. Widespread small-to-moderate increases lifted manufacturing by 1,200, to 162,800 for the month. The workweek and hourly earnings of the average factory production worker, at 41.1 hours and $8.89 an hour, were .5 hours and 11¢ above August.

Cleveland.--Nonfarm employment in Cleveland totaled 899,100 in September, up 1,100 from August. Manufacturing increased 2,000, to 252,000 for the month, due chiefly to gains in durable-goods industries. Decreases in local government lowered nonmanufacturing, despite seasonal growth in retail trade and services. Earnings of factory production workers rose 5¢ from August, to $9.76 per hour. Their average workweek was little changed, at 41.1 hours in September.

Columbus.--Nonfarm establishments in Columbus employed 518,300 workers in September, up 3,500 from August. Manufacturing for the month was 94,100, up 1,000 from August, with gains concentrated among durable-goods industries. Seasonal expansion in education and retail trade lifted nonmanufacturing. The average workweek for factory production workers, at 40.1 hours in September, was .2 hours shorter. Their average hourly earnings rose 12¢, to $8.75 in September.

Dayton.--Dayton's nonagricultural wage and salary employment totaled 358,400 in September, up 7,600 from August. Much of the increase occurred in nonmanufacturing industries, as public schools and the service industries expanded seasonally. Manufacturing rose 2,200 for the month, to 101,300. Production workers in manufacturing industries grossed $9.72 per hour for a workweek of 41.4 hours, down 15¢ and .5 hours from August.

Toledo.--Nonfarm payroll employment in the Toledo area gained 4,600 from August, to 293,500 in September. Manufacturing was up 2,300, to 78,200 for the month. Recalls by producers of motor vehicles and equipment accounted for most of the increase. Expansion among public schools at the beginning of the academic year was responsible for the growth in nonmanufacturing. The average workweek of factory production workers increased .9 hours, to 41.2, while their hourly earnings rose 20¢, to $10.05.

Youngstown-Warren.--Nonagricultural establishments in the Youngstown-Warren area employed 202,600 wage and salary workers in September, up 5,300 from August. Much of the gain in manufacturing--up 3,000, to 69,600--was attributable to recalls of employees laid off for model-changeovers in motor vehicles and equipment. Seasonal gains in services and public schools lifted nonmanufacturing. The workweek for the average factory production worker was down .6 hours, to 41.2 hours. Average hourly earnings dipped 12¢, to $11.64 in September.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 10-15-81

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1970	244.7	140.2	507.9	864.8	403.1	331.4	283.1	195.5
1971	246.1	138.1	501.9	850.9	410.9	327.4	283.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	335.5	292.4	201.1
1973	255.1	142.9	534.5	855.2	451.0	335.6	285.8	211.6
1974	253.4	150.1	542.2	823.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	148.4	541.9	860.0	456.1	331.5	280.6	203.5
1977	253.3	149.8	562.1	888.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.0	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	305.3	213.9
1980	269.2	157.0	604.8	905.0	515.1	356.5	294.2	203.3
1980								
September	262.3	155.2	599.3	894.1	514.8	355.8	289.3	201.1
October .	269.3	155.7	606.1	900.4	523.6	359.2	298.1	200.1
November.	264.4	154.3	603.6	904.4	520.6	360.1	293.5	202.9
December.	269.7	156.3	617.6	907.1	525.0	361.0	294.7	199.1
1981								
January .	254.3	153.4	595.8	885.6	510.7	352.5	291.8	194.5
February.	256.4	153.0	598.7	881.2	509.8	350.4	287.4	192.8
March ...	258.7	153.2	599.6	894.9	513.6	355.8	292.1	194.9
April ...	260.7	155.8	607.7	915.2	517.9	357.6	295.7	199.7
May	262.5	156.3	618.5	930.4	521.0	358.0	298.0	203.4
June	257.6	157.1	619.0	936.9	522.7	357.4	299.4	204.3
July	256.4	156.6	602.9	901.0	514.2	351.5	290.3	200.8
August ..	255.6	156.8	601.6	898.0	514.8	350.8	288.9	197.3
September	260.7	157.8	607.9	899.1	519.9	358.4	293.5	202.6
	MANUFACTURING EMPLOYMENT (in thousands)							
1970	86.4	62.4	169.5	296.8	109.2	128.9	89.4	86.1
1971	91.7	58.6	160.1	279.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	165.9	279.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.9	113.1	89.8	92.0
1975	84.5	56.3	153.9	260.9	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	86.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	58.1	173.1	276.3	101.1	109.5	88.0	79.9
1980	79.4	55.6	164.9	255.0	96.7	99.9	74.9	70.5
1980								
September	77.6	53.8	162.6	248.2	95.9	98.6	76.0	68.2
October .	77.6	53.8	163.1	249.9	96.2	99.1	74.7	67.9
November.	78.8	54.4	164.2	252.5	96.6	99.7	76.5	69.3
December.	77.8	54.5	163.8	253.6	96.9	99.5	77.1	65.2
1981								
January .	75.8	54.7	163.2	251.4	95.9	98.9	75.9	65.2
February.	76.9	54.7	162.7	250.2	94.6	99.3	72.8	63.7
March ...	77.9	53.9	161.8	249.7	94.8	100.3	75.8	66.5
April ...	78.1	55.0	162.4	250.7	94.4	100.3	76.6	69.7
May	77.5	55.1	162.4	250.9	94.8	100.5	76.6	69.7
June	77.1	55.6	163.4	253.4	94.6	100.2	76.9	69.8
July	75.8	55.8	161.7	252.2	93.4	99.8	75.3	68.9
August ..	75.5	56.1	161.6	249.9	93.1	99.0	75.9	66.6
September	77.0	56.2	162.8	252.0	94.1	101.3	78.2	69.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1970	57.9	46.3	116.3	294.2	71.8	96.[illegible]	62.7	68.2
1971	5[illegible].8	43.2	111.5	287.4	68.8	89.9	60.6	70.6
1972	53.5	42.2	110.7	288.1	71.0	93.4	63.8	70.2
1973	56.5	46.3	115.2	290.4	74.1	95.0	66.5	75.8
1974	5[illegible].1	46.3	115.9	290.5	71.2	94.5	69.1	74.2
1975	48.4	40.5	106.3	276.0	64.2	80.7	58.1	69.9
1976	44.5	41.4	107.0	280.1	65.4	83.4	59.9	69.9
1977	49.2	43.1	113.7	284.	68.8	85.7	60.8	73.6
1978	4[illegible].4	42.2	116.4	286.[illegible]	70.1	87.5	64.1	68.5
1979	5[illegible].8[k]	43.2	117.0	288.[illegible]	69.1	84.4	61.9	66.5
1980	47.6	40.0	107.8	269.3	64.5	68.7	59.3	59.3
1980								
September	45.7	39.6	106.4	269.1	69.7	84.2	60.6	60.1
October .	46.1	38.6	107.3	264.6	69.7	85.3	49.3	51.3
November.	47.1	39.2	108.8	267.2	68.2	86.1	51.0	53.6
December.	46.1	39.5	108.4	268.1	69.8	84.8	52.8	49.3
1981								
January .	44.8	39.6	107.8	266.3	69.[illegible]	85.3	49.7	48.3
February.	45.8	39.5	107.4	265.2	68.3	86.3	47.1	47.3
March ...	46.6	39.8	108.7	264.7	68.4	86.2	49.9	50.1
April ...	46.7	39.9	107.1	265.7	68.0	86.2	50.7	53.9
May	46.2	39.9	106.9	265.9	68.4	86.4	50.7	53.2
June	46.9	40.5	107.6	267.3	68.9	86.1	54.0	53.2
July	44.6	40.6	105.7	266.5	67.9	85.6	49.9	52.1
August ..	44.2	40.3	105.8	264.3	66.8	84.8	50.1	50.1
September	45.7	41.0	107.2	266.5	67.7	86.7	50.4	52.9
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1970	40.7	41.3	40.8	40.3	40.2	40.4	41.1	40.0
1971	40.6	39.7	41.0	40.6	39.8	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.3	39.7	41.[illegible]	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.3	41.5	39.5
1977	42.3	39.7	41.6	42.5	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.3	40.4	42.6	42.4	41.4
1979	41.6	40.3	41.5	42.2	40.1	42.3	41.3	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1980								
September	41.4	38.4	41.1	40.6	39.4	41.6	40.7	39.6
October .	41.9	38.3	41.1	40.7	39.4	41.9	41.7	39.8
November.	42.3	39.2	41.9	41.5	39.7	42.3	41.3	41.6
December.	42.5	40.4	42.6	42.6	40.4	43.1	41.7	41.7
1981								
January .	42.0	39.7	41.7	41.2	40.1	41.[illegible]	40.8	41.5
February.	41.5	40.3	41.0	41.0	39.7	41.0	40.1	40.6
March ...	41.9	40.3	41.1	41.4	39.9	41.4	41.2	40.8
April ...	42.1	40.0	40.8	41.2	39.7	42.0	40.8	41.3
May	42.4	40.1	41.4	41.6	39.9	41.8	41.2	40.8
June	42.4	40.4	41.3	42.1	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.7	39.4	41.6	40.4	40.5
August ..	41.7	39.6	40.6	41.2	40.3	41.9	40.3	41.6
September	40.7	39.6	41.1	41.1	40.1	41.4	41.2	41.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties. [k]Not comparable to prior data due to change in sample composition.

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EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1970	$4.04	$3.79	$3.62	$3.94	$3.61	$4.14	$3.91	$4.03
1971	4.34	4.10	3.89	4.15	3.91	4.43	4.26	4.46
1972	4.68	4.46	4.25	4.50	4.09	4.74	4.67	4.89
1973	4.99	4.80	4.64	4.89	4.36	5.00	5.01	5.29
1974	5.28	5.04	4.89	5.31	4.79	5.27	5.39	5.80
1975	5.64	5.64	5.13	5.83	5.15	5.73	5.80	6.39
1976	6.16	6.16	5.65	6.37	5.64	6.28	6.32	7.02
1977	6.75	6.68	6.27	6.94	6.28	6.82	7.00	7.76
1978	7.47	7.50	6.91	7.49	6.98	7.38	7.53	8.54
1979	8.23	8.24	7.71	8.16	7.76	8.14	8.14	9.27
1980	8.72	8.74	8.34	8.63	8.27	8.69	8.90	10.27
1980								
September	8.38	8.38	8.00	8.33	7.93	8.38	8.15	10.40
October .	8.55	8.60	8.20	8.46	8.1	8.57	8.42	10.78
November.	9.14	9.18	8.93	9.11	8.64	9.01	8.44	11.01
December.	9.15	9.27	8.96	9.13	8.69	9.21	8.79	11.26
1981								
January .	9.19	9.22	8.96	9.18	8.75	9.26	8.99	11.34
February.	9.22	9.35	8.93	9.21	8.78	9.25	8.94	11.49
March ...	9.31	9.60	9.08	9.40	8.98	9.31	9.05	11.54
April ...	9.36	9.67	9.03	9.40	8.96	9.31	9.06	11.62
May	9.50	9.67	9.08	9.50	9.03	9.58	9.11	11.56
June	9.59	9.76	9.16	9.56	9.07	9.58	9.01	11.67
July	9.57	9.73	9.21	9.54	9.01	9.66	9.05	11.51
August ..	9.60	9.78	9.28	9.71	9.03	9.67	9.05	11.76
September	9.63	9.81	9.20	9.76	8.79	9.75	10.09	11.64
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1970	$164.43	$152.99	$147.79	$164.75	$141.10	$170.46	$160.79	$161.20
1971	177.02	159.10	159.49	168.49	149.24	180.23	175.96	184.64
1972	197.93	181.89	179.84	190.35	164.09	201.49	196.14	201.06
1973	214.57	196.80	187.91	206.66	177.89	216.50	215.99	226.34
1974	223.34	210.12	199.55	219.34	187.78	210.80	221.07	236.06
1975	232.69	220.06	211.75	227.49	205.13	228.65	234.32	246.65
1976	253.44	244.73	232.32	260.62	226.16	271.31	262.28	277.29
1977	285.53	273.14	260.03	288.75	245.02	301.02	289.90	313.50
1978	304.14	304.07	286.70	321.75	264.62	315.54	313.27	353.56
1979	321.57	334.08	309.97	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.94	358.98	361.34	409.77
1980								
September	370.34	340.28	335.28	356.06	312.44	367.33	372.41	411.84
October .	386.32	340.49	340.91	382.23	317.46	382.55	380.81	429.04
November.	380.62	357.50	353.22	378.07	326.73	390.93	369.87	458.02
December.	388.88	375.32	362.05	387.03	334.51	401.25	388.65	469.54
1981								
January .	385.98	368.02	355.28	381.51	331.63	388.64	388.82	470.61
February.	382.63	382.00	343.73	381.71	329.51	379.25	380.95	464.06
March ...	390.04	386.88	352.64	389.16	333.56	386.75	387.58	471.65
April ...	394.06	386.80	351.47	392.64	335.47	401.04	394.13	479.91
May	402.80	387.77	359.35	398.64	337.95	397.34	400.05	472.46
June	404.07	398.30	358.07	411.74	341.34	419.10	409.28	489.14
July	400.98	387.25	366.24	392.35	335.29	401.86	397.94	470.21
August ..	400.32	387.29	366.47	400.05	347.79	413.55	396.96	491.57
September	399.57	388.48	365.38	401.14	350.88	402.41	414.06	479.57

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kanton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties.

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CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
	AKRON[b]					CANTON[c]			
1970	276.2	262.7	13.6	4.9	1970	162.6	153.2	9.4	5.8
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1977	183.6	173.1	10.5	5.7
1980	303.1	277.5	25.6	8.5	1980	186.5	169.8	16.7	8.9
1980					1980				
August	303.4	280.4	23.1	8.7	August	192.7	173.1	19.6	10.2
September	309.4	281.4	28.0	9.0	September	190.3	170.3	20.0	10.5
October	303.2	276.8	26.4	8.5	October	190.1	172.3	17.8	9.4
November	304.6	276.0	28.6	9.4	November	185.9	167.6	18.3	9.8
December	298.4	271.8	26.6	8.9	December	181.7	165.3	16.4	9.0
1981					1981				
January	293.1	262.5	30.6	10.4	January	180.6	161.9	18.7	10.4
February	292.2	263.4	28.8	9.8	February	179.1	161.2	17.9	10.0
March	298.1	271.1	27.0	9.1	March	183.1	165.3	17.9	9.8
April	299.2	277.0	22.2	7.4	April	184.1	169.8	14.3	7.8
May	305.8	281.1	24.7	8.1	May	187.7	172.4	15.3	8.1
June	299.5	273.7	25.8	8.6	June	187.4	171.2	16.2	8.7
July	305.8	276.4	29.3	9.6	July	191.6	173.3	18.3	9.5
August[p]	304.7	274.5	30.2	9.9	August[p]	189.5	172.1	17.4	9.2
	CINCINNATI[d]					CLEVELAND[e]			
1970	543.0	518.0	25.0	4.6	1970	878.5	833.9	44.6	5.1
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.2	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	916.1	873.2	43.0	4.7
1979	667.9	632.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1980					1980				
August	687.9	637.3	50.6	7.3	August	969.4	893.1	76.3	7.9
September	688.7	637.4	51.3	7.5	September	959.6	882.5	77.2	8.0
October	691.9	642.3	49.7	7.2	October	958.2	887.0	71.2	7.4
November	679.9	628.1	51.9	7.6	November	943.6	866.9	77.8	8.2
December	671.4	622.3	49.0	7.3	December	927.2	857.6	69.6	7.5
1981					1981				
January	668.3	606.9	61.5	9.2	January	913.6	835.5	78.2	8.6
February	664.9	607.3	57.6	8.7	February	907.8	829.8	78.0	8.6
March	677.5	621.4	56.1	8.3	March	929.8	852.8	77.0	8.3
April	684.7	636.8	47.9	7.0	April	935.3	872.2	63.1	6.7
May	695.5	645.0	50.5	7.3	May	951.4	883.9	67.4	7.1
June	697.2	643.2	54.1	7.8	June	952.0	879.2	72.7	7.6
July	706.2	643.8	62.4	8.8	July	973.1	890.2	83.0	8.5
August[p]	696.2	638.9	57.3	8.2	August[p]	961.9	881.5	80.5	8.4

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b]Defined as Portage and Summit Counties. [c]Defined as Carroll and Stark Counties. [d]Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e]Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p]Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
	COLUMBUS[c]					DAYTON[d]			
1970	433.5	415.4	18.1	4.2	1970	353.8	337.6	16.2	4.6
1971	448.4	425.5	19.0	4.5	1971	349.3	326.0	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.6	336.3	17.3	4.9
1973	485.3	468.2	17.1	3.5	1973	357.9	343.4	14.5	4.0
1974	494.7	474.7	19.9	4.0	1974	358.9	341.9	17.0	4.7
1975	493.5	457.1	36.4	7.4	1975	356.5	326.7	29.8	8.4
1976	501.7	466.7	35.0	7.0	1976	359.2	335.0	24.1	6.7
1977	511.1	481.2	29.9	5.9	1977	366.6	346.4	20.2	5.5
1978	529.4	504.6	24.8	4.7	1978	379.6	362.3	17.3	4.6
1979	540.9	515.1	25.7	4.8	1979	390.6	366.5	24.1	6.2
1980	557.4	529.8	31.6	5.7	1980	389.0	359.8	29.2	7.5
1980					1980				
August	570.2	536.2	34.0	6.1	August	393.4	362.5	31.0	7.9
September ..	567.2	532.6	34.6	6.1	September .	395.0	364.7	31.3	7.9
October	578.5	544.6	33.9	5.9	October ...	398.3	370.1	28.2	7.1
November ...	571.2	532.4	38.8	6.8	November ..	390.8	360.8	30.0	7.7
December ...	557.8	524.4	33.6	6.0	December ..	384.2	356.6	27.5	7.2
1981					1981				
January	550.4	508.2	42.2	7.7	January ...	379.5	347.5	32.0	8.4
February ...	548.2	506.6	41.6	7.6	February ..	377.8	347.3	30.5	8.1
March	562.0	520.9	41.1	7.3	March	387.5	357.5	30.0	7.8
April	566.6	532.5	34.1	6.0	April	389.1	364.3	24.8	6.4
May	578.5	540.8	37.8	6.5	May	397.2	369.4	27.8	7.0
June	577.1	536.2	40.9	7.1	June	393.7	364.0	29.7	7.5
July	583.7	538.0	45.8	7.8	July	399.2	364.1	35.1	8.8
August[p]	579.5	534.7	44.8	7.7	August[p] ...	394.9	361.0	33.9	8.6
	TOLEDO[e]					YOUNGSTOWN-WARREN[f]			
1970	315.8	298.4	17.4	5.5	1970	218.5	205.1	13.4	6.1
1971	319.3	300.3	19.1	6.0	1971	225.0	207.1	17.9	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.4	221.7	10.7	4.6
1974	343.8	324.2	19.7	5.7	1974	236.3	223.3	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.0	209.1	26.9	11.4
1976	347.3	318.5	28.8	8.3	1976	233.4	209.8	23.6	10.1
1977	353.3	328.0	25.4	7.2	1977	233.0	214.0	18.9	8.1
1978	361.2	338.8	22.4	6.2	1978	234.5	216.6	17.7	7.5
1979	366.4	340.1	26.3	7.2	1979	236.2	219.1	17.1	7.2
1980	367.5	329.3	38.2	10.4	1980	237.5	209.5	28.0	11.8
1980					1980				
August	378.3	339.8	38.5	10.2	August	240.4	210.2	30.2	12.6
September ..	370.5	330.9	39.7	10.7	September .	242.1	210.9	31.2	12.9
October	374.6	338.3	36.2	9.7	October ...	241.5	214.0	27.5	11.4
November ...	370.8	331.8	39.0	10.5	November ..	236.5	207.3	29.2	12.4
December ...	364.2	327.9	36.3	10.0	December ..	230.8	200.8	29.9	13.0
1981					1981				
January	357.9	317.8	40.1	11.2	January ...	231.4	195.8	35.6	15.4
February ...	356.8	313.8	43.0	12.1	February ..	228.3	193.8	34.5	15.1
March	364.6	324.6	40.0	11.0	March	228.4	200.8	27.6	12.1
April	365.9	333.8	32.1	8.8	April	229.5	208.3	21.1	9.2
May	373.9	340.2	33.8	9.0	May	234.1	213.1	21.0	9.0
June	374.1	339.3	34.7	9.3	June	233.5	211.5	22.0	9.4
July	375.1	335.4	39.6	10.6	July	237.1	211.8	25.3	10.7
August[p]	373.0	332.9	40.1	10.8	August[p] ...	234.3	206.8	27.5	11.7

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b]Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [c]Defined as Greene, Miami, Montgomery, and Preble Counties. [d]Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [e]Defined as Mahoning and Trumbull Counties. [p]Preliminary.

Division of Research and Statistics
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CIVILIAN LABOR FORCE ESTIMATES[1]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1970	4,988	4,752	236	4.7	4.9
1971	4,912	4,725	187	3.8	5.9
1972	4,906	4,706	200	4.1	5.6
1973	4,815	4,617	198	4.1	4.9
1974	4,698	4,474	225	4.8	5.6
1975	4,711	4,492	420	8.1	8.5
1976	4,797	4,597	200	7.9	7.7
1977	4,815	4,504	311	6.5	7.0
1978	4,997	4,670	327	6.6	6.0
1979	5,079	4,783	297	5.9	5.8
1980	5,096	4,689	406	7.8	7.1
1980					
September	5,100	4,717	401	7.9	7.2
October .	5,098	4,714	399	7.8	7.3
November.	5,112	4,649	463	9.1	7.7
December.	5,104	4,674	429	8.4	7.8
1981					
January .	4,970	4,459	511	10.4	8.3
February.	4,941	4,445	496	10.0	8.1
March ...	5,054	4,584	470	9.3	7.7
April ...	5,076	4,641	435	8.6	7.6
May	5,187	4,739	448	8.6	7.3
June	5,166	4,730	436	8.4	7.4
July	5,246	4,751	495	9.4	7.7
August ..	5,199	4,712	488	9.4	7.6
September	5,104	4,593	511	10.0	7.5

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[2] (in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1970	4,880.9	1,503.4	3,377.5
1971	4,771.1	1,339.1	3,432.0
1972	4,850.9	1,386.6	3,464.3
1973	4,916.1	1,458.3	3,457.8
1974	4,850.0	1,416.7	3,433.4
1975	4,697.1	1,304.1	3,393.1
1976	4,794.5	1,345.3	3,449.3
1977	4,870.1	1,364.1	3,506.1
1978	4,940.9	1,397.8	3,543.0
1979	4,914.7	1,379.3	3,535.5
1980	4,840.0	1,308.6	3,531.4
1980			
September	4,854.1	1,330.2	3,523.9
October .	4,845.0	1,318.3	3,526.8
November.	4,830.7	1,307.1	3,523.6
December.	4,809.8	1,283.2	3,526.6
1981			
January .	4,787.1	1,253.6	3,533.5
February.	4,800.1	1,247.2	3,552.9
March ...	4,837.8	1,253.5	3,584.3
April ...	4,857.6	1,258.6	3,599.0
May	4,880.5	1,259.8	3,620.7
June	4,884.8	1,261.1	3,623.7
July	4,867.8	1,254.2	3,613.6
August ..	4,858.1	1,250.1	3,608.0
September	4,847.0	1,249.1	3,597.9

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[2] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1970	20.6	164.2	253.6	196.[illegible]	560.[illegible]	154.[illegible]	595.[illegible]	915.9
1971	20.8	155.9	253.0	195.3	567.7	160.8	607.4	972.0
1972	22.7	165.1	262.9	199.4	628.7	167.9	632.7	949.1
1973	22.3	175.5	274.9	207.7	654.7	169.[illegible]	644.[illegible]	960.8
1974	24.2	172.3	267.6	205.7	668.1	171.3	650.1	919.1
1975	26.6	154.9	253.2	201.5	664.5	175.1	666.3	926.9
1976	28.2	154.2	253.7	206.4	680.4	177.[illegible]	703.8	970.7
1977	29.1	162.8	260.1	214.6	709.1	185.4	731.4	944.3
1978	29.0	176.6	275.0	229.[illegible]	736.4	191.1	772.1	947.5
1979	31.6	183.5	282.1	232.8	742.4	200.6	805.6	934.0
1980	30.8	180.1	275.1	229.4	740.6	205.7	830.2	934.6
1980								
September	31.1	195.2	286.7	238.5	749.1	207.0	840.7	937.7
October .	30.8	199.0	285.7	238.6	742.1	205.9	841.0	937.0
November.	31.3	187.7	284.9	238.6	751.6	206.4	835.5	938.1
December.	31.0	174.6	284.0	238.4	766.3	207.2	832.9	709.9
1981								
January .	30.8	150.2	277.9	237.1	722.0	206.5	818.4	691.1
February.	30.4	146.1	276.9	236.3	709.9	206.1	827.4	696.7
March ...	30.5	152.2	277.7	237.1	715.9	206.6	835.7	697.4
April ...	30.9	169.0	279.7	237.8	720.3	207.1	853.3	692.3
May	31.4	169.7	279.8	237.7	734.5	208.0	862.0	697.9
June	30.9	176.0	280.6	239.4	741.6	209.6	870.0	684.2
July	31.9	181.5	280.8	239.1	738.0	210.1	864.9	642.4
August ..	31.9	182.1	281.3	238.7	740.6	210.5	865.2	692.7
September	31.4	180.4	282.2	238.4	744.4	209.6	871.2	649.7

[1]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
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EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1970	1,309.9	1,002.5	307.4	1,115.2	$157.4	41.2
1971	1,333.8	996.1	337.7	996.1	160.7	39.6
1972	1,340.8	988.8	348.7	975.6	181.3	40.7
1973	1,420.3	1,036.2	384.1	1,048.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,024.5	217.0	42.3
1975	1,307.5	890.4	375.1	899.3	201.7	39.2
1976	1,395.3	957.6	394.6	932.7	232.8	39.3
1977	1,444.1	985.2	396.3	956.6	271.8	40.2
1978	1,477.2	974.5	402.7	946.5	302.5	41.5
1979	1,460.8	967.5	403.8	934.2	318.5	40.6
1980	1,367.5	885.2	382.3	843.7	302.8	35.3
1980						
September	1,391.8	908.8	382.0	866.5	334.1	34.9
October .	1,347.3	873.8	373.5	854.6	310.9	34.9
November.	1,341.2	861.8	379.4	809.2	305.7	36.0
December.	1,299.9	824.7	378.2	861.2	333.2	36.9
1981						
January .	1,299.4	824.9	375.6	848.5	319.8	34.9
February.	1,297.1	822.7	374.5	848.7	316.6	34.3
March ...	1,297.7	823.3	374.7	856.5	326.8	35.0
April ...	1,296.5	821.4	375.1	855.4	324.9	35.5
May	1,296.4	821.2	375.2	853.9	328.4	35.7
June	1,295.2	819.6	375.6	850.0	345.4	36.0
July	1,297.2	822.9	374.3	854.9	331.6	34.7
August ..	1,298.7	824.2	374.5	855.8	335.1	34.8
September	1,298.9	823.7	381.2	866.7	344.0	35.5

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1970	$155.09	$157.53	$147.46	40.6	40.6	40.4	$3.82	$3.88	$3.65
1971	167.68	171.36	156.77	40.7	40.8	40.4	4.12	4.20	3.93
1972	185.12	190.14	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	215.34	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.65	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	259.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.89	279.90	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.89	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.34	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1980									
September	355.72	368.02	327.65	40.7	40.8	40.6	8.74	9.01	8.09
October .	363.53	375.46	331.27	40.8	40.9	40.4	8.90	9.17	8.22
November.	374.67	387.61	340.71	41.4	41.5	41.1	9.05	9.34	8.31
December.	388.90	401.00	349.43	42.1	42.3	41.5	9.19	9.48	8.42
1981									
January .	376.89	387.98	347.27	41.1	41.1	41.0	9.17	9.44	8.47
February.	374.99	386.24	349.36	41.6	41.7	41.3	9.22	9.49	8.52
March ...	381.60	395.98	348.39	40.9	41.3	40.7	9.33	9.62	8.56
April ...	387.04	398.99	354.14	41.0	41.3	40.8	9.44	9.73	8.68
May	391.11	403.65	357.09	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	364.49	41.0	40.9	41.0	9.68	9.99	8.89

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

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Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electrical Machinery Equipment	Transportation Equipment	Instruments and Related Products	Miscellaneous Manufacturing	Furniture and Fixtures
	EMPLOYMENT (In Thousands)								
1970	71.1	180.1	211.6	206.2	96.0	181.2	29.2	19.2	24.1
1971	69.7	180.1	211.4	206.2	96.0	182.2	29.2	19.2	24.1
1972	72.3	186.2	224.2	214.2	98.2	189.2	30.2	20.2	25.2
1973	73.3	195.3	234.2	224.2	104.2	200.2	32.2	21.2	26.2
1974	74.3	202.3	241.2	234.2	109.2	204.2	33.2	22.2	27.2
1975	69.2	180.2	211.2	206.2	96.2	181.2	29.2	19.2	24.2
1976	66.3	174.1	205.2	200.2	93.2	177.2	28.2	18.2	23.2
1977	67.1	178.2	209.2	204.2	95.2	180.2	28.2	18.2	23.2
1978	71.3	190.2	223.2	218.2	101.2	192.2	30.2	19.2	25.2
1979	74.2	198.2	232.2	227.2	106.2	200.2	31.2	20.2	26.2
1980	68.3	183.2	214.2	209.2	98.2	185.2	29.2	19.2	24.2
1979									
September	74.0	201.2	235.2	230.2	108.2	204.2	32.2	20.2	26.2
October	74.2	199.2	233.2	228.2	107.2	202.2	32.2	20.2	26.2
November	74.2	197.2	231.2	226.2	106.2	200.2	31.2	20.2	26.2
December	75.2	194.2	228.2	223.2	105.2	197.2	31.2	20.2	26.2
1980									
January	74.2	193.2	227.2	222.2	104.2	196.2	31.2	20.2	26.2
February	73.2	191.2	224.2	219.2	103.2	194.2	30.2	20.2	25.2
March	73.2	189.2	222.2	217.2	102.2	192.2	30.2	20.2	25.2
April	71.2	187.2	219.2	214.2	101.2	189.2	30.2	19.2	25.2
May	69.2	181.2	213.2	208.2	98.2	184.2	29.2	19.2	24.2
June	68.2	179.2	210.2	205.2	97.2	182.2	29.2	19.2	24.2
July	67.2	176.2	207.2	202.2	96.2	179.2	28.2	18.2	23.2
August	68.2	180.2	212.2	207.2	98.2	185.2	29.2	19.2	24.2
September	69.2	182.2	215.2	210.2	100.2	188.2	30.2	19.2	25.2
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1970	$140.56	$154.14	$161.10	$161.47	$141....	$175.69	$134.31	$103....	$111.64
1971	142....	1....	1....	1....	1....	1....	1....	1....	1....
1972	154.11	1....	1....	1....	1....	1....	1....	1....	1....
1973	167....	1....	1....	1....	1....	1....	1....	1....	1....
1974	184.21	2....	1....	1....	1....	1....	1....	1....	1....
1975	201....	2....	2....	2....	1....	2....	1....	1....	1....
1976	220.4	2....	2....	2....	1....	2....	1....	1....	1....
1977	239....	2....	2....	2....	1....	2....	1....	1....	1....
1978	264.81	2....	2....	2....	1....	2....	1....	1....	1....
1979	295.94	3....	3....	3....	2....	3....	2....	1....	1....
1980	315.49	3....	3....	3....	2....	3....	2....	1....	1....
1979									
September	317.30	3....	3....	3....	2....	3....	2....	1....	1....
October	322.09	3....	3....	3....	2....	3....	2....	1....	1....
November	323.87	3....	3....	3....	2....	3....	2....	1....	1....
December	344.17	3....	3....	3....	2....	3....	2....	1....	1....
1980									
January	334.49	3....	3....	3....	2....	3....	2....	1....	1....
February	333.08	3....	3....	3....	2....	3....	2....	1....	1....
March	334.14	3....	3....	3....	2....	3....	2....	1....	1....
April	337.39	3....	3....	3....	2....	3....	2....	1....	1....
May	345.21	3....	3....	3....	2....	3....	2....	1....	1....
June	348.08	3....	3....	3....	2....	3....	2....	1....	1....
July	343.52	3....	3....	3....	2....	3....	2....	1....	1....
August	359.42	4....	3....	3....	2....	4....	2....	1....	1....
September	355.37	3....	3....	3....	2....	3....	2....	1....	1....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
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